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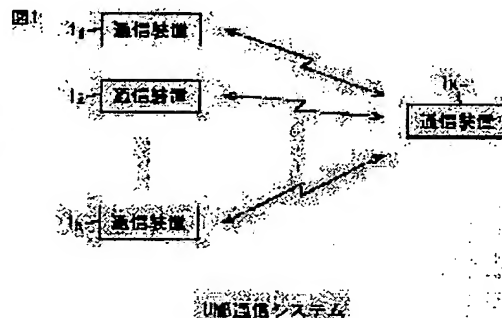
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(54) COMMUNICATION DEVICE, COMMUNICATION METHOD, PROGRAM AND STORAGE MEANS

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a demodulator capable of enabling multiple access in a UWB(Ultra Wide Band) communication so as to exhibit high performance.

SOLUTION: In a communication device 1K+1, the correlation is calculated between received signals, from a plurality of communication terminals 11 to 1k corresponding to transmitted signals in the UWB (Ultra Wide Band) communication and a pulse capable of being arranged as each transmitted signal of communication terminals 11 to 1k. The data respectively transmitted from the communication terminals 11 to 1k are demodulated on the basis of a correlated statistical amount obtained from a result of the calculation considering an interference between the transmitted signals (multiple access interference) from the communication terminals 11 to 1k.



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